

RSF: sfeikonal - Mozilla Firefox

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sfeikonal

(Meikonal.c 1507 2005-10-22 04:01:28Z savap)

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fil/imag/Meikonal.c

Fast marching eikonal solver (3-D).

Synopsis

sfeikonal < vel.rsf > time.rsf shotfile=shots.rsf vel=y order=2 br1=d1 br2=d2 br3=d3 plane1=n plane2=n plane3=n b1=plane[2]? n1: (int) (br1/d1+0.5) b2=plane[1]? n2: (int) (br2/d2+0.5) b3=plane[0]? n3: (int) (br3/d3+0.5) zshot=0. yshot=o2 + 0.5\*(n2-1)\*d2 xshot=o3 + 0.5\*(n3-1)\*d3 shotfile=

Parameters

int b1=plane[2]? n1: (int) (br1/d1+0.5)

int b2=plane[1]? n2: (int) (br2/d2+0.5)

int b3=plane[0]? n3: (int) (br3/d3+0.5)Constant-velocity box around the source (in samples)

float br1=d1

float br2=d2

float br3=d3Constant-velocity box around the source (in physical dimensions)

int order=2 [1,2]Accuracy order

bool plane1=n [y/n]

bool plane2=n [y/n]

bool plane3=n [y/n]plane-wave source

Done